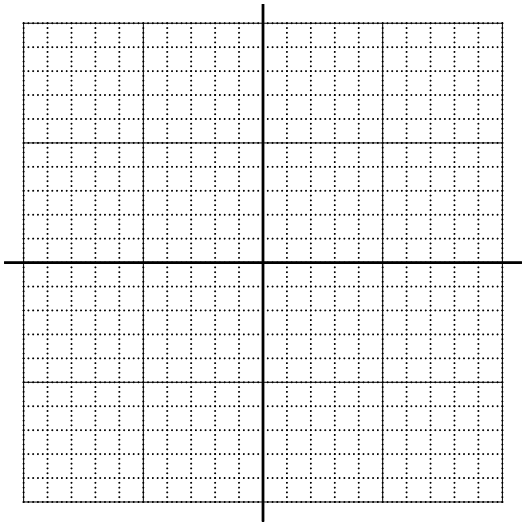
Name: Date:

PCW_09_29: Graph Parent Translations (version 6)

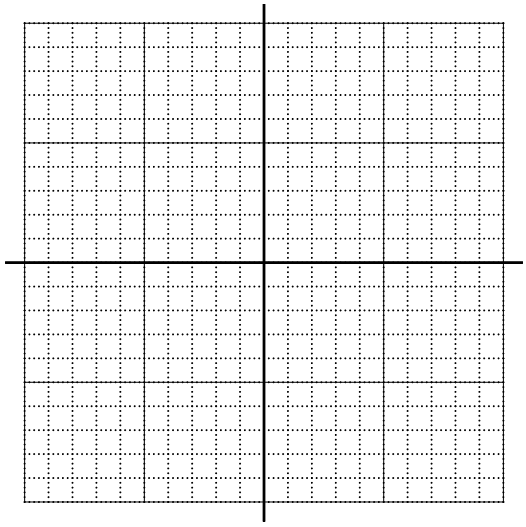
Graph each equation. Let the y axis be vertical and the x axis be horizontal. Also, let both axes be at unit scale, so each goes from -10 to 10.

Clearly mark every solution where x and y are both integers with a small dot along the curve.

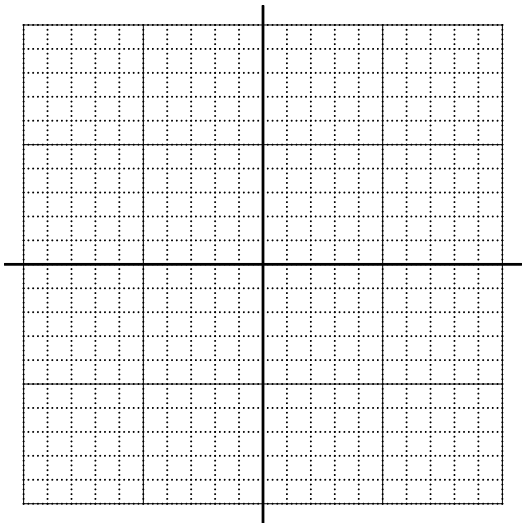
$y = \sqrt{x+2} + 5$



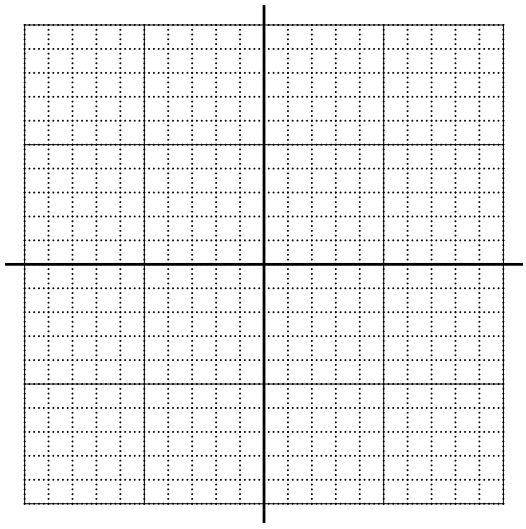
$y = (x-3)^2 + 5$



$y = \log_2(x-1) - 2$

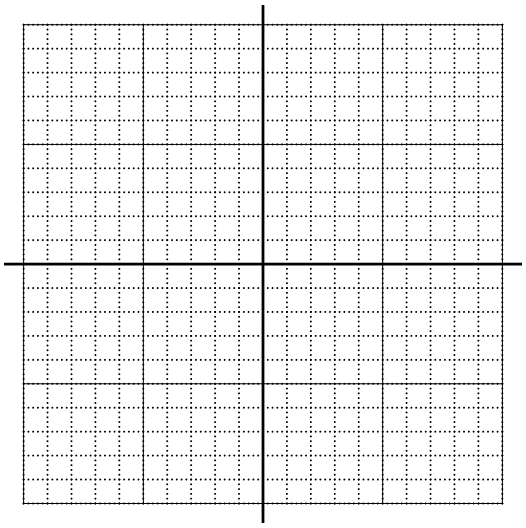


$y = \frac{1}{x+2} - 3$

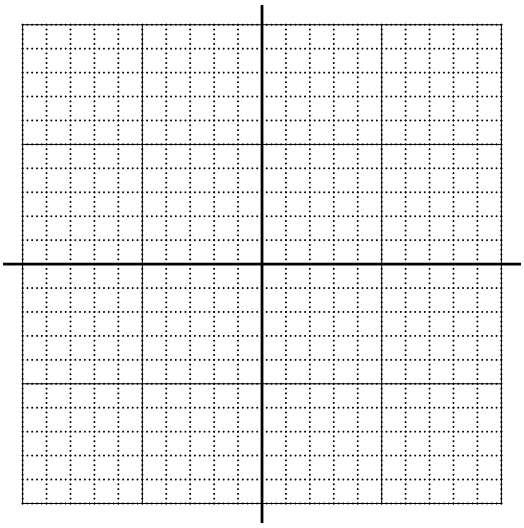


PCW_09_29: Graph Parent Translations (version 6)

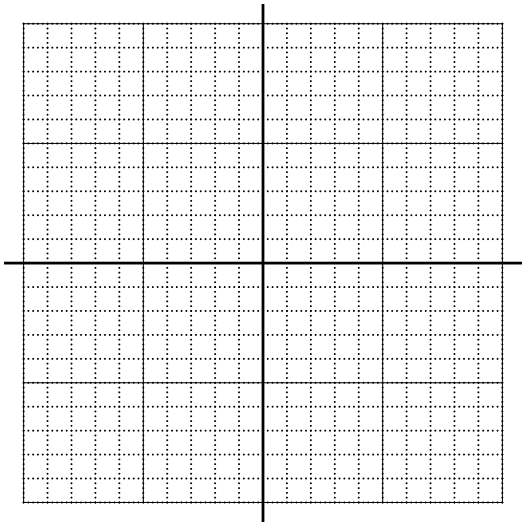
$y = \sqrt[3]{x+2} + 4$



$y = (x-3)^3 + 1$



$y = |x-4| + 2$



$y = 2^{x-2} - 1$